Board Layout

SUPER● X10SL7-F
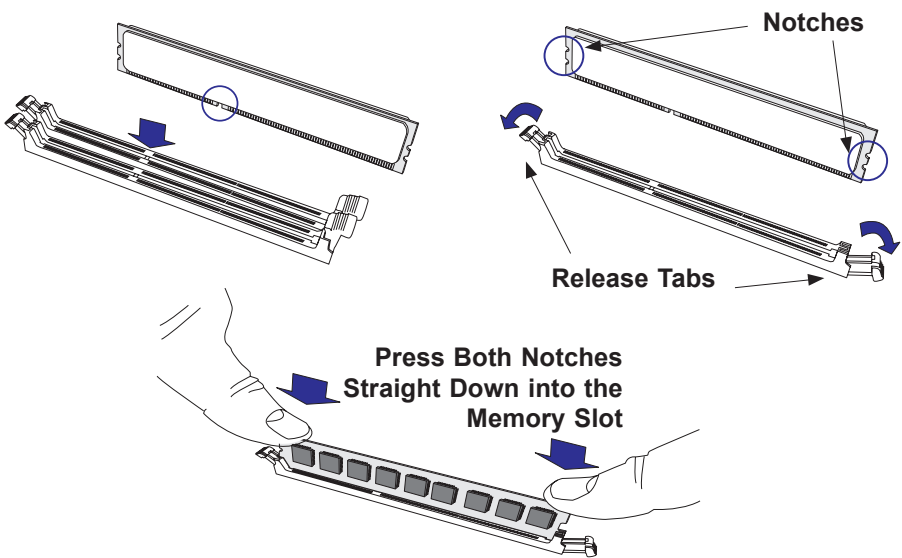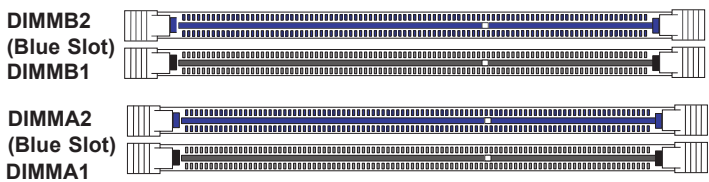
No.	Description
1	PCH Slot5 PCI-E 2.0 x4 (in x8)
2	CPU Slot6 PCI-E 2.0 x8 (in x16)
3	JTPM1 = Trusted Platform Module/Port 80 Connector
4	CPU
5	P1-DIMMA1 (BLUE)/P1-DIMMA2 slot
6	P1-DIMMB1 (BLUE)/P1-DIMMB2 slot
7	L-SAS 0-7: (L)-SAS Connector 0-7 (supported by the LSI 2308 SAS controller)
8	I-SATA 2~5: SATA 2.0 ports (3Gb/s)
9	I-SATA 0~1: SATA 3.0 ports (6Gb/s)
10	JBT1 = CMOS Reset
11	JSD1 = Disk On Module (DOM) Power

MEMORY

| DDR3 Unbuffered Non-ECC (UDIMM) Memory				
DIMM Slots per Channel	DIMMs Populated per Channel	DIMM Type	POR Speeds	Ranks per DIMM (any combination)
2	1	Unb. ECC DDR3	1066, 1333, 1600	Single Rank, Dual Rank
2	2	Unb.ECC DDR3	1066, 1333, 1600	Single Rank, Dual Rank

Polpulating these DIMM modules with a pair of memory modulesof the same type and same size wil result in interleaved memory, which will improve memory performance

DIMMB2 (Blue Slot)
DIMMB1

DIMMA2 (Blue Slot)
DIMMA1

Notches

Release Tabs

Press Both Notches Straight Down into the Memory Slot

Beep Codes

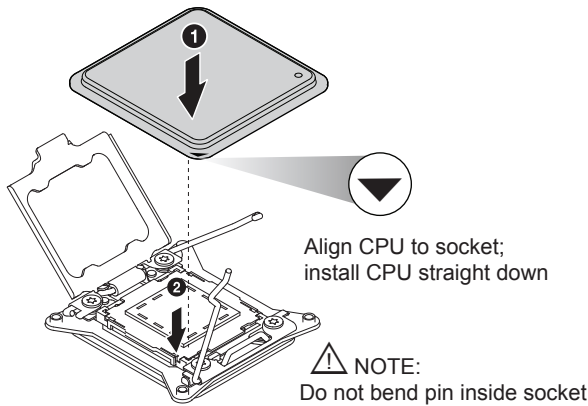| BIOS Beep Codes		
Beep Code/LED	Message	Description
1 beep	Refresh	Circuits have been reset. (Ready to power up)
5 short beeps + 1 long beep	Memory	No memory detected
5 long beeps	Display memory read/write status	Video adapter missing or with faulty memory
1 beep per device	Refresh	1 beep for each USB device
OH LED On	System	System overheat

Front View & Interface

HDD 1 · HDD 3 · HDD 5

HDD 0 · HDD 2 · HDD 4 · HDD 6 · HDD 7
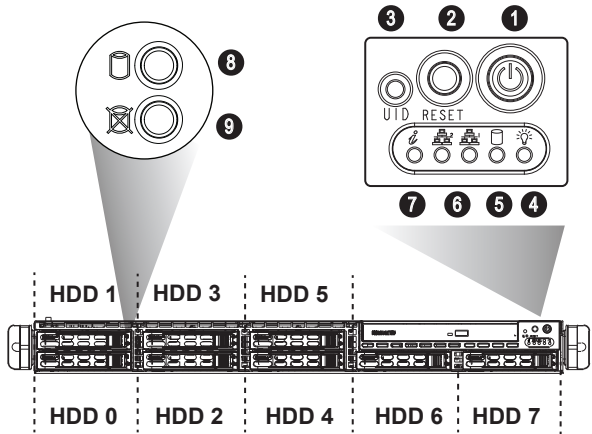
No.	Description
1	Power Button
2	Reset Button
3	UID Button
4	Power LED
5	Device Activity LED
6	LAN1 LED & LAN2 LED
7	Information LED
8	Hard Drive Signal
9	Hard Drive Fail

Rear View
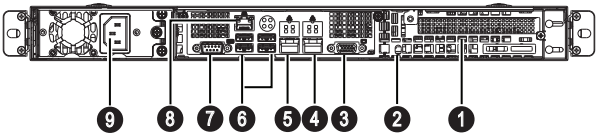
No.	Description
1	PCI-E Expansion Slot (w/riser card)
2	UID Button
3	VGA Port
4	GbE LAN2 Port
5	GbE LAN1 Port
6	USB 4/5/6/7 Ports
7	COM1 Port
8	Dedicated LAN for IPMI
9	Single Power Supply Module

CPU Installation

Align CPU to socket; install CPU straight down

⚠ NOTE: Do not bend pin inside socket

Heatsink Installation

Screw #C

Screw #A
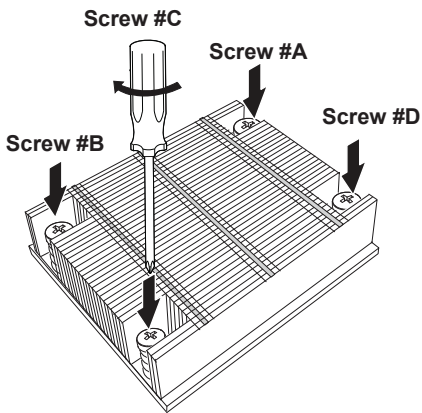
Screw #B

Screw #D

1. Place heatsink on top of installed CPU
2. Line up the four screws to socket
3. Push down heatsink and screw down as shown (cross pattern, in order: A, C, B, D)
4. NOTE: Only use 6-8 lb/f of torque; otherwise, hand-tighten each screw, to avoid damaging the system

Caution

⚠ **SAFETY INFORMATION**
IMPORTANT: See installation instructions and safety warning before connecting system to power supply.
http://www.supermicro.com/about/policies/safety_information.cfm

⚠ **WARNING:**
To reduce risk of electric shock/damage to equipment, disconnect power from server by disconnecting all power cords from electrical outlets.
If any CPU socket empty, install protective plastic CPU cap

⚠ **CAUTION:**
Always be sure all power supplies for this system have the same power output. If mixed power supplies are installed, the system will not operate.

For more information go to :
http://www.supermicro.com/support